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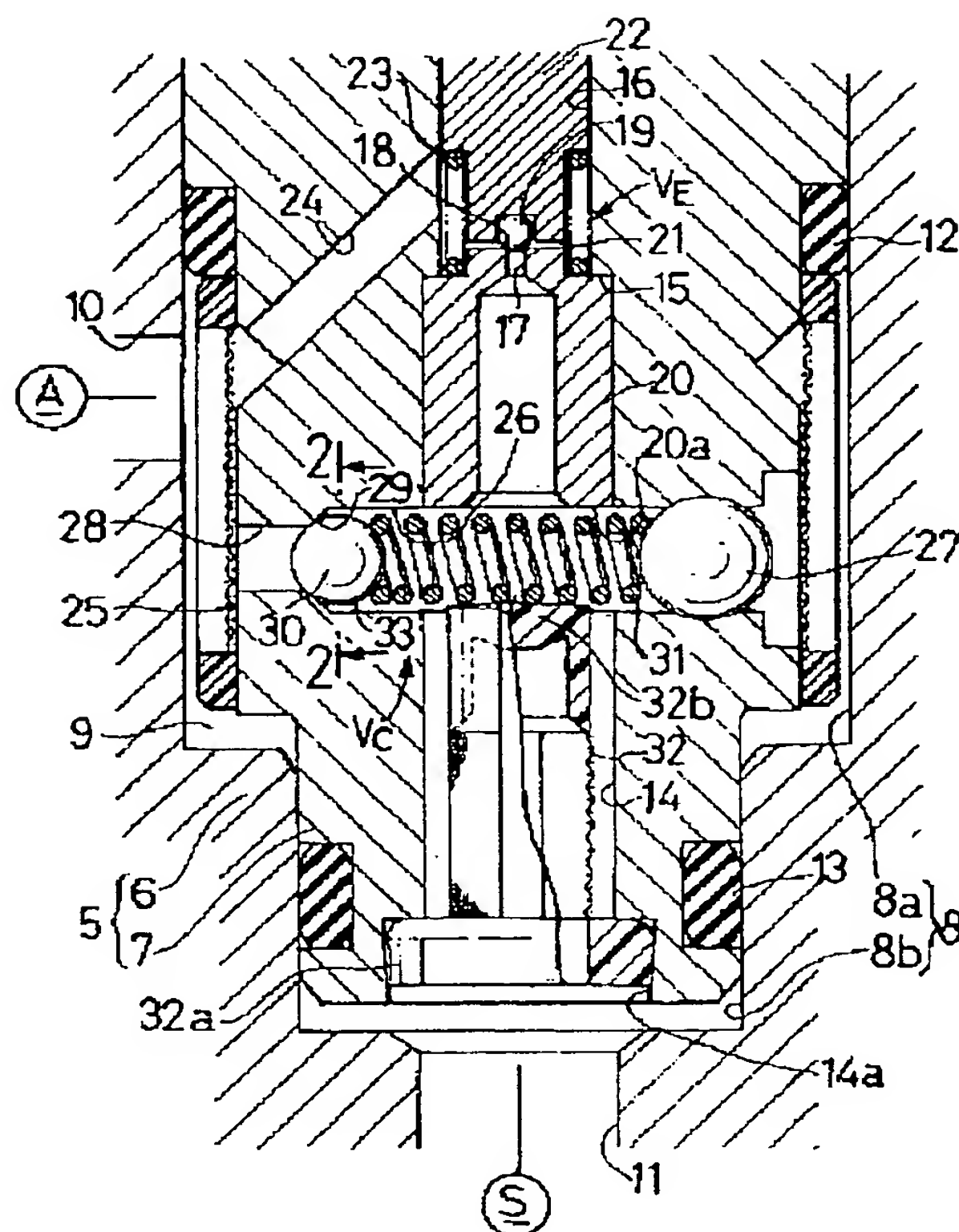
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TITLE : CHECK VALVE



ABSTRACT : PROBLEM TO BE SOLVED: To make sufficient thrust in the valve opening direction act upon a valve element so as to prevent the vibration of the valve element and the repetition of opening/closing operation by setting the flow area of an annular passage, formed between the inner surface of an operating hole and the outer surface of the valve element, to the flow area of a valve hole or less.

SOLUTION: A check valve Vc used for an anti-lock brake control device is composed of a plug member 27 for closing one end of an operating hole 26 orthogonal to an input passage 14, a valve seat 29 provided at the other end of the operating hole 26, with a valve hole 28 opened to lead to an output passage 9, a valve element 30 that can be seated on the valve seat 29, and a valve spring 31 provided in a contracted state between the valve element 30 and the plug member 27. An annular passage 33 is formed between the inner surface of the operating hole 26 and the valve element 30, but in this case, the flow area of the annular passage 33 is set to the flow area of the valve hole 28 or less. Flow resistance in the annular passage 33 is thereby made large so as to be able to impart sufficient thrust of valve opening direction fluid pressure to the valve element 30.

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